

**ABSTRACT OF THE DISCLOSURE**

The present invention provides an optical module that clears the restriction of the arrangement of the lead terminal. The present optical module includes a CAN-type package having a stem, the thermoelectric device and a light-emitting  
5 device. The thermoelectric device is mounted on a front side of a sub-mount that protrudes from the stem. Lead terminals are co-axially disposed so as to surround the sub-mount. The optical module further contains extension members to connect electrically the thermoelectric device disposed in the front side of the sub-mount to lead terminals disposed behind the sub-mount.